



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

C008822

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: JUNE 2025

OWNER OF OPERATOR (Co.#1)

CEMEX Construction Materials Pacific LLC
16888 North E Street
Victorville, CA92392

EQUIPMENT LOCATION (Fac.#5)

CEMEX - Black Mountain Quarry Plant
25220 Black Mountain Quarry Road
Apple Valley, CA92307

Description:

BAGHOUSE (HBH27) consisting of: Industrial Accessories Co. model 120-TBI-304:S6 pulsejet type baghouse with 320 Nomex bags, each measuring 5.75" diameter x 120.5" long. Cloth area is 4,835 ft², air flow is 37,500 ACFM. Air to Cloth ratio is 7.8:1. Fan motor is rated at 125 hp. Exhaust temperature is 150 F. Unit serves Clinker Storage Hall HH1 permitted under B007709. Facility has specified that the normal operating range for pressure differential is between 1.5 and 5.5 inches water column.

CONDITIONS:

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B)]

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall operate concurrently with the Clinker Storage Hall (B007709).
[District Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B)]

2. This baghouse shall operate concurrently with the Clinker Storage Hall (B007709).

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3241

SCC: 30500699

Location/UTM(Km): 476E/3826N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

CEMEX Construction Materials Pacific
LLC
16888 North E Street
Victorville, CA92392

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

[District Rule 204]

- 3.The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
- Monthly (or as otherwise allowed by 40 CFR 63.1350) one minute baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);
 - Quarterly bag and bag suspension system inspection date and results;
 - Date of bag replacements; and,
 - Date and nature of any system repairs.

[District Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B)]

- 3.The o/o shall conduct a minimum program of inspection and maintenance on this equipment, following the operations and maintenance plan requirements pursuant to 40 CFR 63, Subpart LLL. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

- A site-specific opacity monitoring plan;
- Daily reading of baghouse pressure drop, date and value;
- Annual inspection of the bags and bag suspension system;
- Monthly baghouse stack observations using USEPA Method 22 (10-minute test). The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation.
- Date and nature of any system repairs.

[40 CFR 63.1350(f), 1355(g), 40 CFR 64.7(d)]

- 4.This baghouse shall be operated in compliance with 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.

[District Rule 204, 40 CFR 63.1343]

- 4.All equipment shall be operated in compliance with applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.

[40 CFR Part 63 Subpart LLL]

- 5.This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.

[District Rule 204, 40 CFR 63.1348]

- 5.This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.

[District Rule 401; 40 CFR 63.1343(b), 1345]

- 6.This baghouse shall discharge no more than 3.21 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT).

[District Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B)]

- 6.This baghouse shall discharge no more than 3.21 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf of TSP at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

[District Rule 204 and 1303]

- 7.The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.

[District Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B)]

- 7.The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[District Rule 204]

8.The o/o shall conduct a periodic contingent compliance test for PM10 (USEPA Method 5 or equivalent and 9). Testing shall be performed during any calendar year the baghouse had a recorded stack opacity violation (starting in 2005) and the test results shall be submitted to the District not more than six (6) weeks after the conclusion of the applicable year.

[District Rule 204, 40 CFR 52.220(c)(39)(ii)(B), 40 CFR 70.6(a)(3)(B), 40 CFR 63.1349]

8.The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.

[District Rule 204]

9.The pollutant-specific emission unit (B007709), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such, this permit unit must be compliant with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 1.5 and 5.5 inches of column; and/or the presence of visible emissions, as demonstrated by condition 3(d) of this District Permit. Any excursion of the CAM Plan requires the owner operator to do the following:

a. Inspect the affected equipment;

b. Initiate a corrective action, within 24 hours; and

c. Report/Document the excursion in facility recordkeeping required under condition 3 of this District Permit.

[40 CFR 64.7(d)]

10.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 40 CFR 51, Subpart A]